

DESCRIPTION AND MAINTENANCE INSTRUCTIONS

COMPASS LIQUID RECTA REF 15D/242

INTRODUCTION

1 Compasses magnetic unmounted are carried in emergency kits to afford survivors of a crash a means of ground navigating should it become necessary to leave the scene of the crash. This procedure is not recommended unless inhabited areas are close by or all hope is exhausted that rescue can be effected from the survivors present location.

DESCRIPTION

2 The type of compass currently installed is the liquid recta and is encased in a metal drawer style box. The inner drawer pulls out revealing the compass capsule and reflecting mirror. The capsule is rotatable and is filled with transparent liquid. Dimensions are as follows: 2-1/2" x 1-3/4" x 3/4".

INSPECTION AND MAINTENANCE

3 Inspection is to be carried out in accordance with applicable EOs covering the kit in which it is installed. A visual inspection for general condition and serviceability is to be carried out. The capsule is to be checked for air bubbles in the liquid. It has been found that air bubbles are a common occurrence, however investigation has revealed that up to a certain size these bubbles do not affect the reading of the compass to any large degree. The following instructions are to apply with regards to air bubbles in the capsule.

(a) Air bubbles that do not measure over 5/8" in diameter have no serious affect on the compass and therefore it may be considered serviceable.

(b) Compasses that have air bubbles of 5/8" or over are to be declared unserviceable and reported for repair.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

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